

CLAIMS

1. A baking oven comprising an oven muffle (2) containing thermal heating elements (11, 12) which can be heated to different operating temperature levels such as standard baking and roasting temperature on the one hand and high temperature for pyrolytic cleaning of the oven muffle (2) on the other hand inside a baking oven housing (1) and comprising a cooling fan (15) which is arranged between oven muffle and housing wall and can be adjusted to different fan power, whose delivery side is connected to a ventilation shaft (13) which opens into the open air, characterised in that at least one part of the ventilation shaft (13) can be automatically adjusted to form different flow cross-sections by means of the back pressures of the air flow leaving the cooling fan (15), which depend on the different fan powers.
2. The baking oven according to claim 1, characterised in that for adjusting the flow cross-sections, the partial area of the ventilation shaft (13) directly adjacent to the delivery-side exhaust vent (14) of the cooling fan (15), is constructed as a flap (16) which is automatically adjustable to different opening positions (Figure 3, Figure 4) in relation to the exhaust vent of the cooling fan by means of the respective fan back pressure.
3. The baking oven according to claim 2, characterised in that the partial area of the ventilation shaft (13) facing the exhaust vent (14) of the cooling fan (15) can be adjusted by the flap (16) into a position at least approximately in alignment with the full exhaust vent (14) and into a position which is only partially in alignment with the exhaust vent (14) and which receives

only a partial quantity of the air stream leaving the exhaust vent.

4. The baking oven according to claim 3, characterised in that the ventilation shaft (13) is constructed with a lower and optionally lateral fixed shaft wall and with an upper shaft wall which forms the flap (16) and can be rotated such that it is delimited by a stop.
5. The baking oven according to claim 4, characterised in that the flap (16) is mounted by means of a knife-edge bearing on a fixed portion of the ventilation shaft (13) such that it can rotate and is delimited by a stop.